

atgggccgtggcgaaggagctggagcattcgggctgggttcacccaccgcacggaggccttttggggtggagccctcaggctcaggcat
 actacaaactttgccagcaaateccctcctgccctccaccaatgccagacaggaaggcagcctaccccgctgtccaccctttgagaacact
 catectcaggccatgcagtggaaatccacaacctttcaccaaactctgcaagatccagagtggaggcctgtatttccctgctgggtggctccagt
 5 tcaggagcagtaaacctgttccgactactgccctcctcccttatcgtcaatcttctcgaggattggggaccctgcgctgaacatggagaacalcaca
 tcaggattcctaggacccttctcgtgttacaggcgggggtttttctgttgacaagaatcctcacaataccgcagagtctagactcgtgggtggacttc
 tctcaattttctaggggggaactaccgtgtgtcttggccaaaatcgcagtcaccaacctccaatcaactcaccaacctcctgtectcaacttgcctg
 gttatcgtggatgtgtctcggcggttttateatcttctcttcatcctgtcgtatgccatccttcttgggttcttctggactatcaaggtatgttgc
 cgtttgcctcetaatccaggatcctcaaccaccagcagggaccatgccgaacctgcatgactactgctcaaggaaacctctatgtatccctcctgt
 10 tgcgtgacaaaacctcggacgggaaattgcacctgtattcccatcccatcctctgggcttccgaaaatcctatgggagtgggcctcagcccggt
 ctcctggctcagttactagtgccatttgtcagtggttcgtagggttccccactgtttggcttcagttataggatgatgtggtattgggggcca
 agtctgtacagcatcttgagtcctttttaccgctgttaccattttcttttgccttgggtatacatttaacc

MGRGDGAGAFGLGFTPPHGGLLGWSPQAQGILETL PANPPPASTNRQSGRQPTPLSPPLRN
 15 THPQAMQWNSITTFHQTLQDPRVRGLYFPAGGSSSGTVNVPVPTTVSPISSIFSRIGDPALNME
 NITSGFLGPLLVLQAGFFLLTRILTIPQSLDSWWTSLNFLGGTTVCLGQNSQSPTSNHSPTSC
 PPTCPGYRWMCLRRFIIIFLLVLLDYQGMLPVCPLIPGSSTTSTGPCRTCTTPAQ
 GTSMYPSCCCTKPSDGNCTCIPISSWAFGKFLWEWASARFSWLSLLVPFVQWFVGLSPTV
 20 WLSVIWMMWYWGPSLYSILSPFLPLLPIIFCLWVYI

FIG.1

atgcccatatgctcaatcttcgaggattggggaccctggatccactactgtcaagcctccaagcigtgacctgggtggccttggggcatggac
atcgacccttataaagaatttggagctactgtggagttactctcgitttgccttctgactcttctctcagtagacgagatcttagataccgctcagct
5 ctgtatcgggaagccttagagtctctgagcatgttcacctcaccatactgcactcaggcaagcaattcttgcctgggggggaactaatgactctag
ctacctgggtgggtgtlaatttgaagatccagaattccgaggcgacgcgtctagagacctagtagtcagttatgtcaacactaatatgggcctaa
agttcaggcaactcttgtggtttcacatttctgtctcacttttgggaagagaacccgttatagagtatttgggtcttctcgagtggtggttcgcactcct
ccagcttatagaccaccaaattgccctatcctatcaacacttccggaaactactgtttagacgacgaggcaggtcccctagaagaagaactcc
ctcgctcgcagacgaagggtcctaatcggcgctgcagaagatcctcaatctcggaacctcaatgttagtattcc

10

15 MPLSSIFSRIGDPTVQASKLCLGWLWGMDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTAS
ALYREALESPEHCSPHHTALRQAILCWGELMTLATWVGVNLEDPEFRGDASRDLVVSYN
TNMGLKFRQLLWFHISCLTFGRETVIEYLVSGVWIRTPPAYRPPNAPILSTLPETTVVRRRG
RSPRRRTSPRRRRSQSPRRRRSQSREPQC

20

FIG.2